

## PRODUCTION OF HIGH-BULK DENSITY DETERGENT COMPOSITION

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### Abstract

**PURPOSE:** To provide the title high-quality composition containing, as the main active ingredient, an alpha-sulf fatty acid alkyl ester or its water-soluble salt.

**CONSTITUTION:** A water-base slurry with a pH of  $\leq 10$  containing (A) an alpha- sulf fatty acid alkyl ester or its water-soluble salt, (B) zeolite, and (C) sodium sulfate at the weight ratios  $A/B=(1:0.5)-(1:5)$  and  $A/C=(1:0.3)-(1:3)$  with the ingredients A, B and C accounting for  $\geq 70\text{wt.}\%$  of the total solid content, is put to spray drying. The resulting dry powder is kneaded under pressurized densification in a kneader together with an alkali builder and a binder component, and the resulting densified form is ground and granulated, thus obtaining the objective composition.